

### REMARKS

The claims remaining in the present application are Claims 2-24. Claims 2-3, 7, 16, and 18-21 have been amended. Claim 1 has been cancelled, without prejudice. Claims 22-24 have been added. No new matter has been added as a result of these claim amendments.

### ALLOWED CLAIMS

Claims 8-15 are allowed by the Examiner. The Applicant thanks the Examiner for so indicating.

### ALLOWABLE SUBJECT MATTER

Claims 3-6 and 21 have been indicated as allowable, if re-written to incorporate all limitations of their respective base claim and any intervening claims. Claims 19-20 have been indicated as allowable, if re-written to incorporate all limitations of their respective base claim and any intervening claims, providing rejections under 35 U.S.C. § 112, ¶ 2 are addressed.

Claim 3 has been re-written in independent form to incorporate all limitations of Claim 1, its base claim. Therefore, the Applicant submits that Claim 3 is allowable.

Claims 2, and 4-7 depend from Claim 3. As such, dependent Claims 2, and 4-7 are respectfully believed to be allowable.

Claim 21 has been re-written in independent form to incorporate all limitations of Claim 16, its base claim. Therefore, the Applicant respectfully submits that Claim 16 is allowable.

New Claims 22-24 depend from Claim 16. As such, dependent Claims 22-24 are respectfully believed to be allowable.

Claims 19-20 are addressed below in the response to Claim 16.

#### CLAIM REJECTIONS

##### 35 U.S.C. §112

Claims 18-19 stand rejected under 35 U.S.C. §112, ¶2. Applicants have amended Claims 18-19 to indicate that the test instructions are from the first memory. Applicants respectfully assert that the 35 U.S.C. §112, ¶2 to Claims 18-19 has been overcome.

##### 35 U.S.C. §102

Claims 1, 2, 7 and 16-17 stand rejected under 35 U.S.C. 102(e) as being anticipated by Satoh U.S. Published Patent Application 2001/0010083 A1 (hereinafter Satoh). The rejection of Claim 1 is moot in light of the cancellation and Claim 1 without prejudice.

Claims 2 and 7 have been amended to depend from Claim 3, which is believed to be allowable for the above reasons. Therefore, Claims 2 and 7 are respectfully believed to be allowable.

Currently Amended Claim 16 recites, in part:

said test controller transferring to a queue an instruction to be executed in said microprocessor; and

said instruction causing at least one test instruction from a first memory to be executed by said microprocessor, said first memory comprising a plurality of pre-determined test instructions.

Applicants respectfully assert that Satoh fails to teach or suggest the above recited claim limitations. The statement in the reasons for allowance of Claim 8 states that the prior art does not teach or suggest, an instruction queue coupled to a microprocessor with instructions loaded by a test controller received by a test interface and a first memory coupled to the microprocessor comprising a plurality of pre-determined test instructions.

Therefore, Applicants respectfully assert that the prior art fails to teach or suggest the claimed limitations, "said test controller transferring to a queue an instruction to be executed in said microprocessor; and said instruction causing at least one test instruction from a first memory to be executed by said microprocessor, said first memory comprising a plurality of pre-determined test instructions."

Claims 17-20 depend from Claim 16, which is believed to be allowable for the above reasons. Therefore, Claims 17-20 are respectfully believed to be allowable.

#### NEW CLAIMS

Claims 22-24 have been added. Support for Claims 22-24 may be found in the instant specification at least at page 12, line 15 - page 13, line 24. No new matter has been added. Claims 22-24 are respectfully believed to be allowable at least by virtue of their dependency from Claim 21, which is believed to be allowable for reasons above.


CONCLUSION

In light of the above-listed amendments and remarks, Applicant respectfully requests allowance of the Claims 2-24.

Should the Examiner have a question regarding the instant amendment and remarks, the Applicant invites the Examiner to contact the Applicant's undersigned representative at the below listed telephone number.

Dated: 11/5, 2004

Respectfully submitted,  
WAGNER, MURABITO & HAO LLP

  
Ronald M. Pomeranke  
Registration No. 43,009

Address: WAGNER, MURABITO & HAO LLP  
Two North Market Street  
Third Floor  
San Jose, California 95113

Telephone: (408) 938-9060 Voice  
(408) 938-9069 Facsimile